



LEGEND

- 1991 IFIM Surveys
- 1997 2-foot contour mapping
- August 2002 Survey
- 1991 Water Surface
- 2002 Water Surface

CONTROL POINT DATA

L-28 -- not found

L-27 (concrete and pipe)
 Northing: 2296330.964
 Easting: 6674949.282
 Elevation: 143.56'

GAGE DATA (from USGS)

Oroville Gage:
 7/14/92: 1010cfs
 9/5/02: 633cfs
 Gridley Gage:
 7/14/92: 2890cfs
 9/5/02: 3856cfs

TRANSECT DATA

Length (2002): 1256.71'
 Length (1991): 419.08'
 Azimuth: 21°37'18"
 Azimuth: 21°37'18"

Notes:

- 1) Land surveys, depth soundings, and velocities for the 1992 IFIM surveys were conducted on July 14, 1992.
- 2) Assumed elevations for the control points were converted to actual elevations by a level survey performed by DWR-Land and Right-of-Way in June 1996.
- 3) The 1997 cross-section was generated from 2-foot contour topographic mapping from the U.S. Army Corps of Engineers (COE) Comprehensive Study. The actual cross-section was generated using Land Developer and AutoCad software.
- 4) The 2002 cross-section was surveyed in June 2002. Coordinates for the IFIM control points were generated using a RTK GPS survey with a Trimble backpack 4700 receiver. Distances and elevations were measured along section with conventional total station surveying equipment.
- 5) Elevations are referenced to the National Geodetic Vertical Datum of 1929 (NGVD29).

STATE OF CALIFORNIA
 DEPARTMENT OF WATER RESOURCES

**Oroville Facilities Relicensing
 FERC Project No. 2100**

**SP--G2 -- Task 3
 Appendix C -- Plate 9
 Channel Changes -- 1992 - 2002
 Robinson Riffle -- Transect 2
 RM 61.08**



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